

CA-NV AWWA Water Loss Technical Assistance Program

Wave 4 Water Audit Level 1 Validation Document

Audit Information:

Utility: San Francisco Public Utilities Commission

PWS ID: 3810011

System Type: Potable

Audit Period: Fiscal Year 2016/17

Utility Representation: Chris Hewes, Teresa Woo, Jennifer Kidson

Validation Date: 9/13/2017

Call Time: 12:00

Sufficient Supporting Documents Provided: Yes

Validation Findings & Confirmation Statement:

Key Audit Metrics:

Data Validity Score: 89 Data Validity Band (Level): Band IV (71-90)

ILI: 1.45

Real Loss: 20.73 (gal/conn/day)

Apparent Loss: 8.55 (gal/conn/day)

Non-revenue water as percent of cost of operating system: 5.0%

Certification Statement by Validator:

This water loss audit report has been Level 1 validated per the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34.

All recommendations on volume derivation and Data Validity Grades were incorporated into the water audit. ☒

Validator Information:

Water Audit Validator: Kate Gasner / Kevin Burgers (support)

Validator Qualifications: Contractor for CA-NV AWWA Water Loss TAP

Validator Provided

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Water System Name: San Francisco Public Utilities Commission (SFPUC) City Distribution Division Water System ID Number: CA3810011
Water Audit Period: Fiscal Year 2016/17

Water Audit & Water Loss Improvement Steps:

Steps taken in preceding year to increase data validity, reduce real loss and apparent loss as informed by the annual validated water audit:

- Continued small meter replacement through AMI deployment program
- Began implementation of a semi-proactive leak detection program

Certification Statement by Utility Executive:

This water loss audit report meets the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34 and has been prepared in accordance with the method adopted by the American Water Works Association, as contained in their manual, *Water Audits and Loss Control Programs, Manual M36, Fourth Edition* and in the Free Water Audit Software version 5.

Kathryn L. Miller
Executive Name (Print)

^{Water}
Manager, City Distribution Division
Executive Position SFPUC

[Signature]
Signature

9/28/17
Date

Utility Provided